Electronic Version
Stylesheet Version v1.1.1

Claims

[c1] 1. A terminal structure for interconnecting coil ends in a plural phase rotary electrical machine and adapted to be mounted at one axial end of a core having a plurality of circumferentially spaced pole teeth around which electrical coils are wound, said terminal structure comprising a plurality of conductors equal in number to at least the number of phases and bonded in spaced relationship to each other, each of said conductors having terminal ends extending outwardly beyond the bonding material and having wire receiving recesses therein for receiving a coil wire end from a respective one of said coil windings, substantially all of said wire receiving recesses lying in a common axial plane.

[c2] 2. A terminal structure as set forth in claim 1 wherein substantially all of the terminal receiving recesses open in the same direction.

[c3] 3. A terminal structure as set forth in claim 2 wherein all of the terminal receiving recesses lie in the same common plane and face in the same direction.

[c4] 4. A terminal structure as set forth in claim 3 wherein the

terminal receiving recesses open axially.

[c5] 5. A terminal structure as set forth in claim 4 wherein the terminal receiving recesses are configured to strip insulation from the coil wire ends when received therein.

[c6] 6. A terminal structure as set forth in claim 3 wherein the terminal receiving recesses open radially.

[c7] 7. A terminal structure as set forth in claim 3 wherein the terminal receiving recesses are defined by angularly related leg portions that can be crimped to retain the coil wire end.

[c8] 8. A terminal structure as set forth in claim 1 wherein the conductors are axially spaced from each other.

[c9] 9. A terminal structure as set forth in claim 8 wherein each of the phase is comprised of a plurality of interconnected conductors each having at least two circumferentially spaced terminal end portions for receiving a coil wire end from a respective one of said coil windings.

[c10] 10. A terminal structure for interconnecting coil ends in a plural phase rotary electrical machine and adapted to be mounted at one axial end of a core having a plurality of circumferentially spaced pole teeth around which electrical coils are wound, said terminal structure com-

prising a plurality of conductors equal in number to at least the number of phases and bonded in spaced relationship to each other, each of said phase being comprised of a plurality of interconnected conductors each having at least two circumferentially spaced terminal end portions for receiving a coil wire end from a respective one of said coil windings.

[c11] 11. A terminal structure as set forth in claim 10 wherein the phases are axially spaced from each other.

[c12] 12. A terminal structure as set forth in claim 111 wherein each phase-specific terminal member is made of plural connecting pieces comprised of arcs of concentric circles.